

## **AN IMPROVED ULTRAVIOLET STERILIZATION APPARATUS**

### Abstract of the Disclosure

An ultraviolet sterilization apparatus comprising a housing and a replaceable lamp cartridge containing at least one ultraviolet lamp. The housing has an opening for the inlet of an air flow to be sterilized and an opening for the outlet of the sterilized air flow generated by a fan inside the housing.

The cartridge is a disposable component comprising an envelope formed with a reflecting inner surface and two openings for the entry and exit of an air flow, at least one of said openings is provided with means that allow the passage of the air but stops the UV germicidal radiation emitted by said lamp(s).